

DYNAMIC QUEUE DEPTH MANAGEMENT IN A
SATELLITE TERMINAL FOR BANDWIDTH ALLOCATIONS
IN A BROADBAND SATELLITE COMMUNICATIONS SYSTEM

ABSTRACT OF THE DISCLOSURE

[124] An approach for managing queues of a terminal operating in satellite communications system is disclosed. A hub controls bandwidth allocations in conjunction with a satellite. A plurality of terminals is configured to issue bandwidth allocation requests to the satellite. Each of the terminals has queues that are configured to store the packets, and a queue control logic that is configured to dynamically change depths of the queues according to a prescribed scheme. The prescribed scheme specifies new depths of the plurality of queues based upon past bandwidth allocations associated with the respective queues.